

FIRST CLASS MAIL



A Publication of  
THE PHIL-MONT MOBILE RADIO CLUB, INC.  
P.O. Box 88, ABINGTON, PA 19001

# *The Blurb*



# *The Blurb*

May 1994



## ARRL NIGHT



**WITH KAY CRAIGIE-WT3P**

## VOLUME 44

is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. *Blurb* subscriptions are available to nonmembers for \$10 addressed to the Treasurer. The club meets sometime after 7:30 p.m. on the first non-holiday WEDNESDAY of every month at **The Franklin Institute Science Museum**, Benjamin Franklin Parkway at 20th Street, Philadelphia. Enter from Winter Street, or the parking garage on 21st street.

**ALL VISITORS ARE WELCOME!**

Amateur Radio License Examinations - the first non-holiday Thursday of every month at The Franklin Institute Science Museum—doors close at 6:30 p.m. - *SHARP!*

**CLUB INFORMATION**

24-Hour Information Number at W3TKQ: **(215) 448-1139**

Repeater frequencies: 147.03 MHz (Roxboro input requires no PL, but outputs 91.5 Hz.)

PL required for off-site receiver (OSR) access:

*Bucks County 131.8 Hz—Center City 103.5 Hz—Lansdale 114.8 Hz*

444.80 MHz (186.2 Hz PL)

Simplex frequency: 147.51 MHz

Packet BBS frequency at W3TKQ: 144.99 MHz

Mailing Address: P.O. Box 88, Abington, PA 19001

**STATIONS**

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB

W3TKQ - The Franklin Institute Science Museum, Philadelphia, PA - Trustee W3PWG

**AMATEURS (with license) ARE ALWAYS WELCOME TO OPERATE W3TKQ.**

**OFFICERS**

PRESIDENT: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095 (215) 572-5238

1st VICE PRESIDENT: WU3I, Steve Hoch, 4638 Oakland Street, Philadelphia, PA 19124 (215) 535-8061

2nd VICE PRESIDENT: W3STW, Al Tribble, 2848 Carter Road, Trevoise, PA 19053 (215) 639-6771

SECRETARY: KE3CZ, Bob Wilcox, P.O. Box 21914, Philadelphia, PA 19124 (215) 535-7355

TREASURER: N3KGG, Dave Witkowski, 730 Greymont Street, Philadelphia, PA 19116 (215) 969-5485

**DIRECTORS**

W3BBB (94); N3FVI (94); AA3EP (95); W3IRS (95); W3IIM (A); K3KUD (A); W3RM (A)

**COMMITTEES**

Archives: W3IIM  
*Blurb* Folding: WB3KOH&J  
Budget /Audit: K3KUD  
Directory: WB3KOJ  
Education: AA3CH  
Emerg. Coord.: W3BBB

Field Day: N3IEI  
Membership: AA3BB  
Net Control: KB3IV  
Program: WU3I  
Publicity: N3IEI  
Refreshments: N3FVI

Repeater: W3BBB  
Special Events: AA3EP  
VE Program: ND3Q  
TVI: W3VVS  
W3TKQ: KB3IV  
Welcome: NEEDED

**Blurb STAFF**

Editor: W3IIM, Jack Haring, 2113 Edgehill Drive, Furlong, PA 18925 (215) 794-7623

Artist: N3QIE

Labels: WB3KOJ

Publisher/Typist: W3IIM

**DEADLINE:** To be assured of publication in the current month, all copy MUST be in the hands of the Editor at the Board of Directors' Meeting!

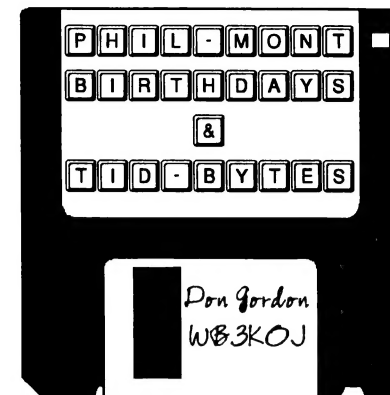
**NET SCHEDULE**

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET
LAST WED	20:00	147.030	MHz FM	W3TKQ OPERATORS' NET

**MAY BIRTHDAYS**

- 02 John Hart - N3OBT
- 05 Paul Policarpo - N3GMH
- 06 Mildred Stouth (XYL W3ZPP)
- 07 Dick Bechtel - W3CBF
- 08 Bill Wiand - N3WW
- 09 Carol Sebzdo - N3PVO\*
- 10 Elaine Bergsman (XYL N3PSO\*)  
Bob Ross - N2OML
- 11 Margaret Wiand (XYL N3WW)
- 12 Bob Henderson - KA3MHO
- 15 Woody Haldeman - W3PST  
Aaron Sigel - KD4PWG
- 17 Carter Craigie- KD3AO (OM WT3P)  
Herb Scott - N3OLK\*  
Dottie Trueax (XYL WF2X)
- 20 Bob Field - WA3INW  
Dick Malone - N3MGS
- 22 Winnie Miller - K3RAB (XYL K3NYN)
- 26 Bonnie Malone - WB3GBN
- 29 Marty Gold - K2ID
- 30 Bill Chedeville - W3GQD

\*Indicates New Member 93-94

**HELP PHIL-MONT**

Are you planning to join ARRL or renew your current membership? Help P.M.R.C. by joining or renewing through the club...contact the Treasurer, Dave Witkowski - N3KGG, for details.

**NEW DIRECTORY**

As promised, you have received the new directory! And now the corrections:

N3IEI Home 215-885-6143  
Work 215-238-4643

**MEMBERSHIP STATS**

At press time P.M.R.C. has:  
160 FULL PAID MEMBERS  
15 FAMILY MEMBERS  
3 HONORARY MEMBERS  
8 PENDING MEMBERS

**FOR SALE BY OWNER**

**WONDERFUL, LOVABLE 1984 BUICK SKYLARK, LOVES TOW TRUCKS AND REPAIR SHOPS. OCCASIONALLY SHY AND HOLDS BACK AT INTERSECTIONS. COMES WITH SLIGHTLY CURLED 2-METER ANTENNA.**



## NEW MEMBER APPLICATIONS

CALL: **N3POJ**  
 NAME: **Stephanie Weigand**  
 HANDLE:  
 CLASS: **Technician**  
 ADDRESS: **730 Greymont Street  
 Philadelphia, PA  
 19116**

HOME PHONE: **(215) 969-5485**  
 BUSINESS PHONE: **(215) 722-0500**  
 OCCUPATION: **Student**  
 INTERESTS: **Special Events**

CALL: **N3RCQ**  
 NAME: **Joseph O'Donnell**  
 HANDLE: **Joe**  
 CLASS:  
 ADDRESS: **1817 Ripley Street  
 Philadelphia, PA  
 19111**

HOME PHONE: **(215) 742-0325**  
 BUSINESS PHONE: **(215) 226-5262 x66**  
 OCCUPATION: **Teacher**  
 INTERESTS: **W3TKQ**

CALL: **N3RCR**  
 NAME: **Walter Rice, Jr.**  
 HANDLE: **Walter**  
 CLASS: **Technician**  
 ADDRESS: **359 Gilham Street  
 Philadelphia, PA  
 19111**

HOME PHONE: **(215) 742-2168**  
 BUSINESS PHONE:  
 OCCUPATION: **Student**  
 INTERESTS: **W3TKQ**

The FCC has released end-of-December licensing figures. There were 631,598 individual operators licensed as of December 28, 1993, broken down by license class as follows:

Extra ..... 65,277  
 Advanced ..... 112,637  
 General ..... 126,898  
 Technician ..... 227,681  
 Novice ..... 99,105

In addition, there were 2,055 club stations, 113 military recreation stations, and 251 RACES stations licensed.

The ranks of Extras grew by 6.5% during the year; Advanced 2.5%; Generals by 1.4%; and Technicians by 18.5%. Novices were essentially unchanged from a year earlier (an increase of 40, the last increase in the Novice population that we are ever likely to see as licenses again begin to expire). Overall, the increase was 7.8%.

### ARRL MEMBERSHIP TOTALS AS OF FEBRUARY 28, 1994 (condensed)

ATLANTIC ..... 16,433  
 CENTRAL ..... 12,033  
 DAKOTA ..... 3,341  
 DELTA ..... 7,010  
 GREAT LAKES ..... 14,156  
 HUDSON ..... 10,035  
 MIDWEST ..... 7,280  
 NEW ENGLAND ..... 11,471  
 NORTHWESTERN ..... 9,495  
 PACIFIC ..... 10,951  
 ROANOKE ..... 11,389  
 ROCKY MOUNTAIN ..... 5,268  
 SOUTHEASTERN ..... 15,774  
 SOUTHWESTERN ..... 14,917  
 WEST GULF ..... 10,856

U.S. TOTAL ..... 160,409  
 FOREIGN ..... 10,143  
 GRAND TOTAL ..... 170,552

via KE3CZ

## The PREZ SEZ

Ed Masarsky, KB3IV



Editor's note: We just had to share with you Ed's first 'brush' with electronic transmission of his monthly article for the *Blur*. It might not look very impressive, but the image you see was transformed into electrons not once, but twice! Because there was an incompatibility between my modem and the fax machine, Ed had to fax it first to Don, who then retransmitted the electronic image to my modem. Ed's still a bit shaken by the ordeal, but we're certain he'll recover enough to do it again next month if he doesn't get his article written in time to hand it to me at the mid-month meeting!—Thanks Don; you may submit your phone bill to the treasurer.

*The Prez Sez*  
 Spring has sprung. April showers have passed. It's time for all good Hams to get out and put up those new antennas and fix the old one ravaged by this past winter. Don't overlook your mobile antennas. They sure have taken a beating. Just because they didn't fall off your car doesn't mean they're still ok. Check to see that mounts are strong and making proper ground connections to the sheet metal, even those drilled through the roof or other body panels. Check your coax, is it crushed or rubbed through the outer insulation? How about that PL 259, is it shorting out? We want to be able to hear you as you travel within our advertised 5000 square mile coverage of the repeater. You know, maybe we should revise that coverage.

Continued on page 10

## UPCOMING

- MAY 4 General Meeting Program:**  
**ARRL Night with**  
**Kay Craigie, WT3P**  
**ARRL Atlantic Division Vice Director**
- May 5 License Examinations at  
 The Franklin Institute
- May 18 Directors' meeting at  
 N3GLU & KB3IV's
- 
- JUNE 1 General Meeting**  
**FAMILY NIGHT**  
**Fels Planetarium Program**  
**"UFOs—Visions or Visitations?"**
- June 2 License Examinations at  
 The Franklin Institute
- June 15 Directors' meeting at  
 W3BBB's
- June 25-26 **FIELD DAY**  
 &  
**PADDLERAMA**
- 
- JULY 6 General Meeting**
- July 7 License Examinations at  
 The Franklin Institute
- July 20 Directors' Meeting at  
 W3GQD's

## HAMFESTS

- April 29- DAYTON, OH  
 May 1 Hamvention '94
- May 7 CHERRY HILL, NJ  
 South Jersey
- May 15 WRIGHTSTOWN, PA  
 Warminster ARC
- May 21 WARREN COUNTY, NJ  
 Cherryville Repeater Ass'n.
- July 10 TIMONIUM, MD  
 BRATS
- Aug 7 WARRINGTON, PA  
 Mid-Atlantic ARC
- Aug 14 EASTON, PA  
 Delaware Lehigh ARC

## V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must present positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. **The ARRL VEC's 1994 test fee is \$5.75; there is no charge for a Novice test.**

- **THE FRANKLIN INSTITUTE**  
 Monthly, 1st Thursday—Dusty Rhoads, ND3Q  
 (215) 879-0505 day, (215) 482-0386 home
- **BELLMAWR, NJ**  
 Monthly, 3rd Thursday—Bill Helmatag  
 (609) 546-7710
- **BRYN MAWR**  
 Irregularly—Bob Lees  
 (215) 265-6032
- **LEVITTOWN**  
 Monthly, 1st Saturday—George LeNoir, WR3B  
 (215) 943-4886
- **LINWOOD, PA**—(Commercial & Amateur Exams.)  
 Quarterly—Barb Levine, AA3DV  
 (215) 859-9210, (302) 792-7760 home
- **MORRISVILLE**  
 Monthly, 3rd Thursday—Dave Munson, NM3K  
 (215) 788-7515
- **POTTSTOWN**  
 Monthly, 1st Monday—Warren Erdman K3ZXQ  
 (215) 679-5764
- **TELFORD**  
 Monthly, 3rd Monday—Warren Erdman K3ZXQ  
 (215) 679-5764
- **UNIVERSITY OF PA**  
 Monthly, Last Saturday—Garrett Klein, WZ3G  
 (215) 898-8538 shack, (215) 222-8752 home
- **WARMINSTER**  
 Odd Months, Last Wed.—Tom Michaud, WA3TQJ  
 (215) 343-3494

## PUBLIC SERVICE EVENTS

Charlie Weigand, AA3EP (215) 324-0167

- May 14 M.S. Spring Classic Bike Run  
 June 11 Arthritis Bikeathon  
 June 25-26 Paddlerama  
 June 5 Core States Bike Race  
 Sept 17-18 M.S. 150 City-to-Shore Bike Tour

Continued from page 8

times, as Public Service only requires necessary transmissions, and not general QSOs. Speaking of which, Charlie could use a few good souls.

Charlie is trying to get into packet, as this mode has caught his attention. He also makes all Board and General Meetings that he can, and has a lot of input on behalf of the club.

He would like to "have the full scale of volunteers that is needed for the events." He says, "it's a little bit of work, but it's a lot fun." It is also "an opportunity to meet some of the people you have only talked to on the radio, and never had a chance to meet." Charlie has been honored with the George Weed Award for his efforts, which he modestly accepted on behalf of everyone that volunteered with him.

Charlie is one class act. He never has asked a single volunteer to do anymore than himself. He is a credit to Phil-Mont and Amateur Radio. With his radio he has reached out to assist others, and tells you he is having fun. There will never be enough Charlies to go around, so Phil-Mont, be grateful that you have yours! ☺

## PUBLIC SERVICE

Charlie Weigand, AA3EP



**T**hank you from the M.S. Society, and thank you to all the volunteers who helped out on the Super Cities Walk. The walk went off on time, even though it was raining. Attendance was off because of the rain, but we still had a good turnout. The members of Phil-Mont who participated are N3POJ, N3PSO, W3YLT, N3RBX, KA3VVU, KD4PWG, and AA3EP at the center city walk, and AA3CH, K3EUI, and N3NLR, at Ridley Creek.

Thank you, and hope to see you again in May.

Next event: May 14, M.S. Spring Classic. We will be using the W3QV repeater ('03) for this event. Volunteers are needed.

Contact me on the repeater, or at (215) 324-0167. ☺



## FCC NEWS

Report No. DC-2582 ACTION IN DOCKET CASE April 4, 1994

# COMMISSION AMENDS RULES CONCERNING MESSAGE FORWARDING SYSTEMS IN THE AMATEUR SERVICE

(PR DOCKET NO. 93-85)

The FCC has relaxed the amateur service rules to enable contemporary message forwarding systems to operate at hundreds of characters per second while retaining safeguards to prevent misuse.

A message forwarding system is a group of amateur stations participating in a voluntary, cooperative, interactive arrangement where communications from the control operator of an originating station are transmitted to one or more destination stations via forwarding stations, which may or may not be automatically controlled.

Currently, the control operator of each station is held individually accountable for each message retransmitted, resulting in unnecessary content review and delays. The American Radio Relay League, Inc. (League) stated that the obligation of the control operator of the first forwarding station should be the establishment of the identity of the station originating the message. Only when this is not done should these control operators be held accountable for improper message content. Also, there are currently no central supervisory authority in an ad hoc amateur service digital network, making these unsupervised systems easy targets for misuse by uncooperative operators and non-licensees. Moreover, the Commission said that it could be difficult to establish after the fact that a particular VHF station originated a fleeting high speed digital transmission. For these reasons, the Commission said there must be on-going oversight of the system and the control operators of the first forwarding stations are in the best position to provide such oversight.

Therefore, the Commission will hold accountable only the licensees of the station originating a message and the licensee of the first station forwarding a message in a high speed message forwarding system. The licensee of the first forwarding station must either authenticate the identity of the station from which it accepts communications on behalf of the system, or accept accountability for the content of the message.

The Commission also clarified that the station that receives a communication directly from the originating station and introduces it into the message forwarding system is the first forwarding station.

The League and the Colorado Council of Amateur Radio Clubs suggested that the Commission substitute the word "simultaneously" for "instantaneously" in the redefinition of a repeater. The Commission concurred and adopted this modification.

The Commission believes that these rule changes will enable contemporary high speed message forwarding systems to operate as their designers intended, while retaining the minimum safeguards necessary to prevent misuse.

Action by the Commission March 30, 1994, by Report and Order (FCC 94-76). Chairman Hundt, Commissioners Quello and Barrett.

via N3DHI

## MINUTES

### APRIL GENERAL MEETING

Bob Wilcox, KE3CZ, Secretary



**K**B3IV called the 531st General Meeting to order at 7:52 p.m., and bid a special hello to Hal Fox, W3AA, and Charlie Stouth, W3ZPP [our membership directory bookends.-Ed].

First report of the evening, or should we say the first attempted report, was by our well prepared treasurer. He had misplaced his report, but after being told by the past treasurer to check his pocket, he took to the podium (obviously all treasurers misplace things in their pockets). N3KGG, Dave, reported on a very good financial status. He begged (actually WU3I did) that all ARRL renewals go through the club. Dave then retired to a seat to prepare his mid-month report.

AA3BB reported that three members had been voted-in: Jim-N3PRA, Bill-N3QMH, and Henry-W3UI. The April Directors Meeting would have four to be balloted on, and were printed in the *Blurb*.

John-N3LUD reported for Welcoming: There were 36 members and 11 visitors at the meeting. The visitors were Maureen McCloskey, Greg DiPipi, Ed Cummings-N3KOW, John D'Angelo, Bob Spanks-WA1UCG, Bob Dagit, Bill Sullivan-N3QMH (now a member), Tom Merista, Adam O'Donnell-N3RCS, Joe O'Donnell-N3RCQ and Steve Scace. A warm welcome was extended to all.

KB3IV did his usual thing about the net controls. If it ain't broke, figure out why.

AA3EP reported on the upcoming May

14th Spring Classic to be held in the Montgomery County Community College area. Charlie can use all the volunteers he can get. Charlie also reported for N3IEI on Field Day on June 25-26. Call Chris if you would like to get in there and be a part of the Phil-Mont team.

WU3I reported on Paddlerama, and said that more information would be available as he received it. He also told a joke that I can't remember, but no one laughed, so you didn't miss much.

WU3I (what, this guy again?) reported for ND3Q and the VE team. All was running very well, and Dusty extends his thanks to the many VEs that have helped out, and the many more candidates that put up with them. Anyone interested in lending both hands, give Dusty a call.

Our illustrious editor made no notable comment on the *Blurb*, I guess if you read it, enough is said.

W3STW discussed the DEL-VAL OMIK trip June 5th to ARRL HQ, and a visit to the W1AW station. He has a May 1st cut-off for registration, and the trip will be leaving at 6:30 a.m., arriving back here around 7 p.m. If interested give Al a call in Tra-VOSE.

KB3IV informed everyone of the sale by Radio Shack of the fine HTs on which they are lowering the price. Hope it's not a Banana Sale of sorts. He also reminded us of the new 610 forms that are the only ones that will be accepted by the FCC, and lastly,

about the first of the 10-year licenses which expire during this year. That Ed; can always count on him!

K3EUI asked if there were any old receivers laying about that were in operating or repairable condition, so that he might make them available to the students at the Westtown School who have become interested in Amateur Radio.

50-50 was sold by N3NLR, picked by W3AA and won by new member, N3QMH.

WU3I showed some video about the rebuilding of W3TKQ and at 9:15 p.m. the meeting was adjourned, and those that wanted to, toured W3TKQ. ☺

*Continued from page 7*

packet in the mail with regards to Paddlerama, but is getting many of the details squared away so that this event will once again become a Phil-Mont mainstay.

W3BBB reported that he was submitting a bill for \$3.48 for something. On the topic of the repeater, W3GQD reported that the noise at the Southampton site was BAD. *The Repeatermeister* will take the appropriate actions to try to resolve this before deciding to move the unit.

The W3TKQ report by the Three Amigos, 'FVI, (WU3)'I and 'IV: 'FVI is looking for a dual-bander, 'I said that N3IEI and N2OML would be looking to see if the out-of-service camera could be replaced; presently slow and fast scan TV will operate off the same camera. The Kenwood 450 needs to have the front end looked at as it is receiving WPEN on 20 meters.

KB3IV read a letter from W3PWG stating that he would like WU3I to take over as trustee for W3TKQ. After some discussion, a motion to do just that was made by

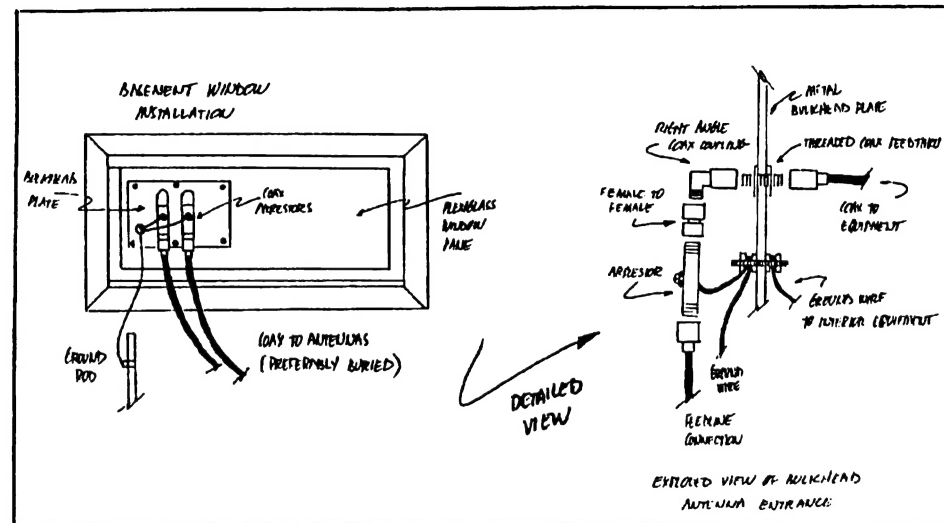
W3STW, seconded by AA3EP, and unanimously approved. Many thanks to Rollie, and congratulations Steve.

AA3EP for Public Service: May 14th will be the MS Spring Classic, and he wants to remind everyone that the Phil-Mont repeater will be used for the communications during this event.

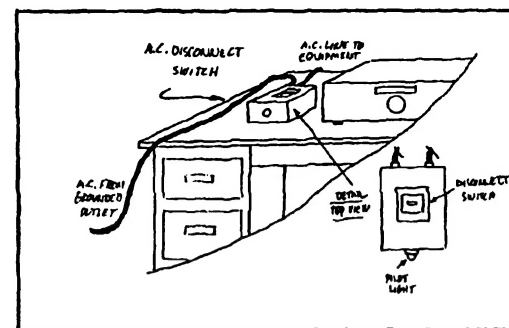
## NEW BUSINESS

KB3IV mentioned the possibility about club jackets, which then turned to the topic of embroidered patches, which led to the discussion of this being the 45th anniversary of the club, and what could we do to make it all come together. The answer, ask the members. You will soon see a questionnaire within your *Blurb*, if you want some say in the matter fill it in, if you don't, fill it in anyway.

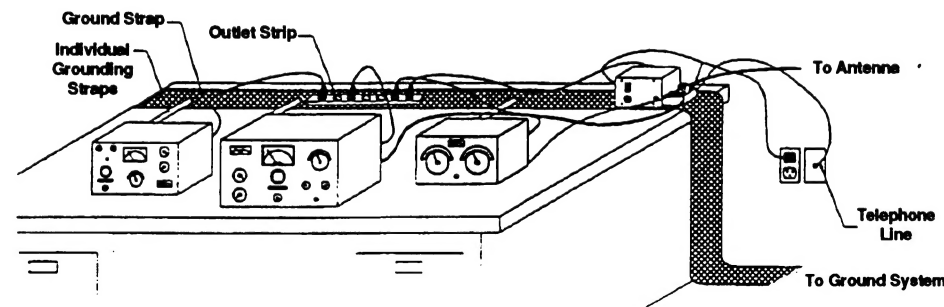
WU3I made the motion to adjourn, seconded by N3FVI, thirded by N3GMH. The treat table was assaulted, as was the kitchen where W3IIM demonstrated the "Geoclock" program on his laptop computer, while Don lusted over its credit-card sized PCMCIA [that's computer talk, folks-Ed] 14.4k BPS Fax modem. ☺



DETAILS OF AN ANTENNA ENTRANCE SCHEME



ELECTRIC SERVICE DISCONNECT



## The Final Word on Lightning, This is the last of four installments. and Lightning Protection

Gene Pressler, W3ZXV

In a conclusion to our series on lightning protection, we will continue our discussion on protecting the amateur station.

The electrical supply to the radio room should be protected by means of a separate circuit breaker panel. The radio equipment itself should be protected by a good quality secondary power main lightning protector installed near the equipment.

We discussed antenna feedline grounding in last month's article, but we also need to protect antenna rotator lines, which can receive enough strike energy to flash over to other equipment. There are low voltage-threshold devices available from companies like Polyphaser Corporation and from Alpha Delta Company. These protect each of the

conductors, and their use is highly preferred over simply grounding control cable shields.

Any path left for lightning to enter can put your equipment at risk. Halfway measures taken to protect an amateur radio installation may help, but they cannot provide adequate assurance against lightning damage. Good lightning protection requires that effective roadblocks be placed across any path where a lightning surge may enter. When lives, property and perhaps thousands of dollars worth of radio equipment are at risk, a little time and a few dollars could be well spent in reducing our risks.

The accompanying illustrations may help us visualize the elements of a good station lightning protection scheme. ☺

## PARTS SUPPLIERS

### ANTENNA COAX PROTECTORS

IS-50 - Polyphaser Corporation  
HV Transi-Trap - Alpha Delta Communications

### CABLE TV PROTECTORS

IS-75F-CI - Polyphaser Corporation

### TELEPHONE LINE PROTECTORS

IS-SPXL - Polyphaser Corporation  
CLP Transi-Trap - Alpha Delta Comm.

### ANTENNA ROTOR CABLE PROTECTORS

IS-RCT - Polyphaser Corporation  
CLP Transi-Trap - Alpha Delta COMM.

### PRIMARY POWER LINE PROTECTORS

IS-PLDO-120 - Polyphaser Corporation  
LSC-20 - Polyphaser Corporation

### SECONDARY POWER LINE PROTECTORS

IS-PLDO-120 - Polyphaser Corporation  
LSC-20 - Polyphaser Corporation

• Polyphaser Corporation, P.O. Box 9000,  
Minden, NV 89423

• Alpha Delta Communications, 1232 East  
Broadway, Tempe, AZ 85282

## MINUTES

## APRIL DIRECTORS' MEETING

Bob Wilcox, KE3CZ, Secretary

KB3IV called the meeting to order at 8:24 p.m. With the recent Phil-Mont meeting record, there was no surprise with the heavy thunder storm that passed through the area.

Attending were KB3IV, K3KUD, WB3KOJ, W3BBB, WU3I, N3FVI, N3KGG, AA3EP, W3IIM, W3IIN, K3GNM, W3STW, W3GQD, N3GMH, and KE3CZ. And to think, this was only a Board (BORED) Meeting!

KB3IV decided not to call on our treasurer first, much to the relief of everyone, including Dave.

W3IIM reported the *Blur* was doing well, but I think that he still wants to run a full color paper with photos. KB3IV acknowledged the *Blur* as the binding force of Phil-Mont, SO READ IT!

WB3KOJ reported on the directory, and the minimal mistakes that were so kindly pointed out by KB3IV. By no means did Ed volunteer to do the directory the next time, however.

W3IIN reported that the archives are archived. In fact, a plea from her for more space for them was ignored, er, heard.

KB3IV stopped the meeting momentarily (some assume because he was quickly approaching the treasurer's report) to welcome K3GNM, Al Bubeck. The old-timers then talked about stuff us children knew nothing about.

N3KGG for the treasury: Some money came in, some money went out, some money remains.

KE3CZ for AA3CH and the Education Committee report, Russ reported that his Spring classes were resuming, and that The

Institute also planned amateur classes for August. He noted that Cordelia Zavasky, program director at The Institute, would be leaving to go back to school at NC State. She will be missed!

WU3I for the VE program, reported that VEs are still needed. The most recent VE session had 35 candidates who took 74 elements, 35 elements were passed and of it all, there were 14 new and/or upgrading amateurs. KE3CZ reported that Dusty is looking for someone who might be interested in filling his shoes as the Liaison Officer of the team. His desire is not to abandon the team, but rather to let someone else receive some of the recognition that goes with the turf.

W3BBB for Emergency: Jim couldn't think of one, but would appreciate the funds to prepare for one, in advance!

KB3IV for AA3BB and the membership committee. There were four applicants to vote on, they were: Jerry Shoemaker-AA3EM, Alex Conshik-WB3ERB, Adam O'Donnell-N3RCS and Joel Kleinguenther-KA3SWU. WU3I made the motion to accept, W3STW seconded, and other than a black marble rolling on the table, there were no dissenting votes. Welcome to the new members!

KB3IV noted that a 75 meter net control, other than Al - W3STW, was needed, give Ed a call if you can help out.

KB3IV reported on increased interest in the upcoming Field Day, and Phil-Mont's participation will hopefully be a success. Contact Chris-N3IEI if you are interested.

WU3I said that he was waiting for a

*Continued on page 6*

## Phil-Mont Pro-Phile

*Learning about our Club and Hobby, through the people with whom we share them.*

*by Bob Wilcox, KE3CZ*

### CHARLES G. "Charlie" WEIGAND, AA3EP

Charlie was born November 4th, 1943, in Philadelphia. He attended elementary school at St. Phillips in South Philly, and Bishop Neumann and Roxborough High Schools. Charlie enlisted in the Marines prior to his graduation in 1962, and completed his high school education there. In the Marine Corps, he was in an anti-tank battalion, served during the Cuban Missile Crisis, and then was transferred to Okinawa in 1963. With the Marine Corps he saw much of the Orient, and many of its bars. In 1966 he was honorably discharged.

In 1967 he married his wife, Eileen, and within a year they became parents to their first child, Jennifer. 15 months later, Charlie and Eileen were blessed with a second daughter, Stephanie. Originally from Manayunk, Charlie and his family moved to Olney in 1972, where they reside at this time.

Charlie was an avid "chicken bander," but his brother, Jack, N3AXB, convinced him to get into Amateur Radio. This was some time around 1980. His first interest was working HF, but his equipment was less than perfect, so that fell by the wayside. In 1986, he received a Heathkit 2036 2-meter transceiver from Jim Johnson, K3JGG, and he was again interested in the Amateur hobby. Charlie still has the old Heathkit to this day.

After listening for several years to the Core States Bike Race, he decided to get involved in the communications end of it. He contacted Bill Popovic, N3FVI, and

joined in the fun as well as becoming a member of the Phil-Mont Mobile Radio Club. In 1991 Charlie was asked to be the Special Events Coordinator for PMRC, which he accepted, and still remains in that capacity at this time.

He is currently a Director on the Phil-Mont Board, as well as President of the 96 Over The Hill Gang. He is also Event Coordinator for the Super Cities Walk and the MS Spring Classic, as well as Route Boss on many other events.

Charlie recommends that if you are going to work any event, make sure that you have a reliable HT with plenty of charged spare batteries; he points out that dead batteries are of little use. He also thinks you should bring a good supply of refreshments, particularly water, that will hold you over in the event that you need it during the event.

Charlie "thinks the world" of people who volunteer and show up, but the no-shows not only cause him grief, but cause the other volunteers extra work. So, if you're going to volunteer, have the courtesy to call if you cannot attend, but try to keep to your commitment.

This coming May 14th the W3QV repeater (147.030) will be used for the communications of the MS Spring Classic, in Montgomery County. This would be your opportunity to listen in to see how Public Service Communications are handled. Don't be surprised if you DON'T hear anything at

*Continued on page 21*

# THE W 3 T K Q REPORT

The International Voice of The Franklin Institute Science Museum

I was pleased to see many of you at Phil-Mont's April General Meeting where we showed the tapes of the rebuilding of W3TKQ and the dedication of the new station. Some of our newer members have visited the station previously and expressed how impressive it is. Now, after seeing what went into the planning and rebuilding process, they appreciate what we offer to the Amateur community, and, more importantly, to anyone visiting who never even heard of Ham Radio. It was also the first time many of you got to "meet" and see Jake, AK2I, who was the driving force behind our efforts to revive W3TKQ, and make it one of the finest exhibits of state-of-the-art Amateur Radio in the world.

We are working hard at making the improvements and changes outlined in previous 'TKQ Reports. There is a lot of work to be done by our volunteer staff, but hopefully it will be completed in short order.

Volunteers are the lifeblood of the station. We need more operators to keep the station open seven days a week. If you can spare some time, get in touch with WU3I, N3FVI, or me. You must be a General Class license holder, and be no younger than 16 years of age to be a volunteer operator. You do not have to be a Phil-Mont member to become a volunteer. Many of you have friends in other clubs who may have an interest. Tell them about the station, and have them get in touch with us directly, or you can pass the traffic for them.

Thanks to all who have supported the station and for your continuing efforts. Stop down to W3TKQ, and say hello and sit down to operate your station. ☺

—Ed Masarsky, KB3IV

# 108<sup>TH</sup> MONTHLY VE SESSION STATISTICS APRIL

35 candidates passed 39 elements  
10 new amateurs plus 4 upgrades

VE team members:

Dusty Rhoads, ND3Q, Chairman  
Bob Wilcox, KE3CZ; Barb Levine, AA3DV;  
Lee Pamplin, N3EKR; Joel Kleinguenther, KA3SWU

AMATEUR LICENSE EXAMS HELD ON THE FIRST  
NON-HOLIDAY THURSDAY OF EVERY MONTH  
Registration begins at 6:00 PM

Doors close at 6:30 PM sharp

THE FRANKLIN INSTITUTE  
SCIENCE MUSEUM

For Information Call ND3Q at  
(215) 482-0386 or 879-0505  
Accessible by the handicapped.



## NEWS FROM METRO-COMM

Two new "open" repeaters now on line:

Serving **Chester**—147.315 with a + offset and no PL tone as a rule.

Serving **West Chester**—146.600 with a - offset.

The PL for West Chester is 71.9Hz.

It has two off-site receivers (OSRs):

Coatesville PL= 94.8Hz

"north county" PL= 156.7Hz

## NEWS FROM THE ARRL

To make renewing your license even easier, ARRL HQ, at the request of the Board of Directors, will soon begin sending form 610s *without charge* to members whose licenses are about to expire.

**"DON'T TAILGATE... WAIT"**—for the courtesy 🚗!

# GOODIES

EQUIPMENT FROM ESTATE OF W3IJN (PROPERTY OF PHIL-MONT)

MODEL	DESCRIPTION	MANUALS	PRICE
283	B & K 3 1/2 DIGIT DVM S/N 46-03246	Y-WKG .....	\$ 20
IB1103	HEATH COUNTER	Y .....	10
IO4510	HEATH DUAL TRACE SCOPE W/PROBES	Y .....	30
TR-7	DRAKE LOW BAND TRANSCEIVER, SVC MANUAL	Y-WKG .....	50
HW-202	HEATH 2 MTR TRANSCEIVER MICODER MIKE	Y .....	20
TV3300	DRAKE LOW-PASS FILTER	N .....	5
	KANTRONICS INTERFACE	Y .....	10
PS0-24	MICRONTA 0-24V@1AMP	Y-WKG .....	5
PLF-2	AMECO PREAMP	Y .....	10
IAI	HEATH IGNITION ANALYZER	N .....	5
	ASCOM VHF TEST MTR. PWR/FS/VSWR	N .....	10
IS-150	STANCOR 150W ISOLATION TRANSFORMER	N-WKG .....	5
	150W ISOLATION TRANSFORMER	N-WKG .....	5
SR-C12/120/5	STANDARD PS 12V@6A REGULATED	N-WKG .....	10
T4X	DRAKE TRANSMITTER SSB	Y-WKG	
R4C	DRAKE RECEIVER	Y-WKG	
MS4	DRAKE AC PS	Y-WKG	
DC4	DRAKE DC PS	Y .....	Package price 150
LMCC5	LAMBDA PS 5V@10A	N .....	5
HQ-150	HAMMERLUND RCVR-RECON TO PERFECT	N .....	95
TR3	DRAKE TRANSCEIVER, OWNER MODIFIED	Y .....	10
SPR-4	DRAKE RECEIVER	Y .....	10
1624	VARIOUS TUBES	N .....	5
RG8U	COAX, NEW APPROX 200 FT	N-NEW .....	20
JFA-08 TIMES	COAX, NEW 102 FT	N-NEW .....	10
	SOFT COPPER GROUND CABLE 100 FT	N-NEW .....	10
RG8U	TANDY COAX, NEW 50 FT	N-NEW .....	5
RG59U	TANDY COAX, NEW APPROX 100 FT	N-NEW .....	10

## PRIVATE OWNERSHIP

IBM 5160 COMPUTER W/2 EA. 5 1/4" F.D. S/N 61168335160 INCL. IBM KEYBOARD  
IBM 5153 COLOR MONITOR S/N 0947667  
IBM 3852 COLOR PRINTER S/N 35-11768  
EXTRA ROLLS OF PAPER AND FULL DOCUMENTATION  
AN IDEAL STARTER COMPUTER OR PACKET STATION ..... \$200  
REGENCY HX-1000 H.H. PROGRAMMABLE SCANNER W/CHARGER AND CASE  
30-54, 144-174, 440-512 MHz ..... 75  
HEATH SB-220-2 KW PEP- 100 WATTS IN W/MANUALS ..... 350  
• CONTACT JIM SPENCER, W3BBB, 215-362-5172

~~~~~

TS-820S W/External VFO and hand mike Good condition ..... \$400  
• CONTACT FRED LAMBERTI, KA3TLE, 215-338-2806

## Any MOTOR HEADS Out There?

Needed for two days on Paddlerama weekend:

2-to-4 HP outboard engine, suitable for attachment to PMRC's 'sweep canoe'.

Contact WU3I

Prez Sez continued

over since we added our satellite receivers. Turn the page and take a look at the schedule of upcoming events and hamfests. There are a lot of activities ahead to choose from. Why not choose at least one that you never tried before. You will have the chance to meet other members, and non-members also, who you have talked to on "03" or other bands, but never met face to face. That just happened at our April General meeting and also at our April Directors meeting. Some of our ~~more recent~~ members got to meet some longstanding Phil-Monters who helped guide the Club and contributed to its current success.

I am looking forward to seeing an overflow crowd ~~at~~ at the May 4 General meeting. It's ARRL Night with Kay Crager, WT3P, ARRL Atlantic Division Vice Director, and Phil-Mont member. ~~\_\_\_\_\_~~

Kay always has the latest information from the League office and will ~~be~~ be able to address many issues concerning our hobby.

Hope to see you on the First Wednesday of May

And you think the typist's job is easy?

## The FCC will now issue "Technician-Plus" licenses

by Robin, WA3T

Until recently, a "No-code" Technician who passed the Morse code test, has not been issued a distinctive license; the CSCE showing Morse ability (or a previous Novice license) has been the only proof of authorization to use the HF bands.

The FCC has announced that they will now issue formal Technician Plus licenses to those who qualify.

Any amateur who upgrades to Technician Plus at a test session since March 1st 1994 will automatically get a new license showing Technician Plus operator privileges.

Anyone who has previously qualified for Technician Plus, whether via the Novice license or the "No-code" Technician license, is entitled to apply for the issue of

a formal Technician Plus license.

To do this, write to the FCC at 1270 Fairfield Road, Gettysburg, PA 17325-7245, explaining that you have qualified, indicating when you qualified, and enclosing a copy of the current Technician license and of copy of the CSCE proving that Morse test element 1A (or 1B or 1C) has been passed (or a copy of your previous Novice license).

Surprisingly, the FCC's notice did not mention using a Form 610 for this purpose, so it is up to the judgment of the individual amateur whether to do so. If you decide to accompany your letter with a Form 610, be sure to use one of the new ones introduced in February 1994. Previous revisions of the 610 are no longer acceptable to the FCC.

[610 forms are available at meetings and at station W3TKQ.-Ed]

The DLARC Newsletter

Sam's  
KATTY  
KORNER

BBB  
SPENCER, ON HIS  
STAY AT FLORIDA  
FORGOT TO BRING  
HIS LIST OF STOPS  
THAT ARE GOOD FOR  
A LUNCH OR DINNER...  
AHEM, AS A GUEST OF OLD FRIENDS

UH-RICK, YA BETTER  
FAX ME THE LIST  
OF MY STOPS



Lansdowne, Pa  
20 March 1994

Philmont Mobile Radio Club, Inc  
Officers, Directors and Members.

Subject: Transfer of Trusteeship of W3TKQ.

The first trustee of W3TKQ was Fred Shaw, W3ADV, from 1952 to 1972, a period of twenty years. It was then transferred to Rolland E Madara, W3PWG, who has held it for 22 years. My license expires 07\16\95 and W3TKQ will also expire then. Of course, I expect to renew mine at that time, but due to a number of circumstances, I would like to have the trustee of W3TKQ changed before that time, and I would like to recommend that Steve Hoch, WU3I, be the new trustee. He is perhaps better acquainted with the station than any other member, and does most of our station upkeep now, and he holds an extra class license which will benefit operation by members and visitors..

As most of you know, at my age I can no longer drive at night and have not attended a club meeting for some time, nor any of the executive meetings. Still enjoy getting in to operate the station every Monday, and I certainly am not going to drop my membership in Philmont which I joined at Cassidy School in 1953 after I was invited by some of the club members when I retired from the Navy and came to Philadelphia as W9NQF and worked some of them mobile from 111 N 63rd, my wife's former home. (I was W3PWG in 48,49, W5RFZ in 50, W9NQF in 51,52 and 53, and got W3PWG back when I moved to this location in 53)

The Call Book will still list this address for W3TKQ mail for some time of course, and I will continue to acknowledge and mail QSL cards as long as they come to me. We have lots of time before the end of my license period, but I would appreciate it if the board will take this up as soon as possible. The forms have already been ordered, and it should not take long to send them in and get the transfer made. The Navy Mars license will remain in my name for the time being. It does not have to be changed with the other.

I started with W3TKQ in 1972 in the station built by Jim Spencer, then moved it to the other end of the second floor and from there to the former storeroom where it is now located. You may not remember it, but most of those two moves was by yours truly, with very little help. It is certainly nice to see the station as it is now, and to reflect that it has been in operation for 42 years as of this month.

Sincerely,

*Rolland E Madara*

## Questionnaire

The Board would like to know whether you would purchase an "official" club jacket, as discussed recently at club meetings. Before proceeding with the project, we need an estimate of the number of jackets involved.

This year is your club's 45th anniversary. Your Board of Directors wants to know how you think we should celebrate it, *and how much you'd be willing to spend*. So far, we've had suggestions including:

a picnic  
dinner-dance  
dinner cruise on the Delaware  
lunch cruise on the Schuylkill  
breakfast cruise on the Neshaminy  
a pool party at Don's (BYOB)  
a lawn party at BBB's (BYOOL)  
a work party at PXY's farm  
dinner in the rotunda at The Franklin Institute  
a beach party at W3AA's in Madeira Beach, Florida  
a house party at W3IIN's "Whoopee Cottage" in Florida  
a bowling party with N3AXJ  
a golf tournament at LuLu  
an ice skating party at W2HSA's

Contact your local Board member, or ~~W3BBB~~ on the repeater, to express your thoughts and suggestions.  
It wouldn't be the same without **YOU!**

1994

MAY

1994

| SUNDAY                                                                                                            | MONDAY                               | TUESDAY                                                                                                                                                          | WEDNESDAY                                                                                                                | THURSDAY                                                                                                                                           | FRIDAY    | SATURDAY                                                                                         |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------|
| <b>1</b><br>2M NCS N3FTY<br>10M NCS W3HFY<br>75M NCS W3PWG                                                        | <b>2</b>                             | <b>3</b><br>CODE PRACTICE<br>NET at 8 PM<br>N3ALW                                                                                                                | <b>4</b><br>GENERAL MEETING<br>at<br>The Franklin Institute<br>Refreshments at 7:00 p.m.<br>Meeting starts after 7:30    | <b>5</b><br>LICENSE EXAMS<br>at<br>The Franklin Institute<br>Registration begins at 6:00<br>Doors close at 6:30 p.m.<br><i>sharp!</i>              | <b>6</b>  | <b>7</b><br><br><i>VE Day<br/>           Cherry Hill Hamfest</i>                                 |
| <b>8</b><br>2M NCS W3GQD<br>10M NCS W3HFY<br>75M NCS AA3CH<br><br><i>Mothers' Day</i>                             | <b>9</b>                             | <b>10</b> <br>CODE PRACTICE<br>NET at 8 PM<br>N3FVI<br><br><i>Solar Eclipse</i> | <b>11</b>                                                                                                                | <b>12</b>                                                                                                                                          | <b>13</b> | <b>14</b><br><br>MS Spring Classic<br>Bike Run                                                   |
| <b>15</b><br>2M NCS NS3Y<br>10M NCS W3HFY<br>75M NCS AA2FU<br><br><i>Wrightstown Hamfest</i>                      | <b>16</b><br><br><i>Shebuoth</i>     | <b>17</b><br>CODE PRACTICE<br>NET at 8 PM<br>K3JJO                                                                                                               | <b>18</b><br>DIRECTORS'<br>MEETING at<br>N3GLU & KB3IV's                                                                 | <b>19</b>                                                                                                                                          | <b>20</b> | <b>21</b><br><br><i>Armed Forces Day<br/>           Warren County, NJ<br/>           Hamfest</i> |
| <b>22</b><br>2M NCS N3KGG<br>10M NCS W3HFY<br>75M NCS KB3IV                                                       | <b>23</b>                            | <b>24</b><br>CODE PRACTICE<br>NET at 8 PM<br>W3RM<br><br><i>Lunar Eclipse</i>                                                                                    | <b>25</b> <br>OPERATORS' NET at 8 PM | <b>26</b>                                                                                                                                          | <b>27</b> | <b>28</b>                                                                                        |
| <b>29</b><br>2M NCS <del>W3BBB</del><br>10M NCS W3HFY<br>75M NCS <del>W3BBB</del><br><br><i>J.F. Kennedy 1917</i> | <b>30</b><br><br><i>Memorial Day</i> | <b>31</b><br>CODE PRACTICE<br>NET at 8 PM<br>W3STW                                                                                                               |                                                                                                                          | <i>If you weren't supposed<br/>           to have midnight snacks,<br/>           why did they put a light<br/>           in the refrigerator?</i> |           |             |